* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 11:10:00 ON 12 DEC 2003
FILE 'CAPLUS' ENTERED AT 11:10:00 ON 12 DEC 2003

=> D HIS

(FILE 'HOME' ENTERED AT 10:51:09 ON 12 DEC 2003)

FILE 'CAPLUS' ENTERED AT 10:51:17 ON 12 DEC 2003
L1 2 S TRYROSINE
L2 24410 S TYR
L3 212344 S KINASE
L4 129747 S TYROSINE
L5 41202 S (L2,L4) AND L3
L6 97 S CONCENSUS
E CONSENSUS
L7 26944 S CONSENSUS
L8 484 S L7 AND L5
E JAENISH/AU
E JAEN/AU
L9 297 S E223-E225
L10 0 S L9 AND L8
L11 1 S L9 AND L5

=> D CBIB ABS

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
2000:110010 Document No. 132:274731 Ischemic brain damage in mice after selectively modifying BDNF or NT4 gene expression. Endres, Matthias; Fan, Guoping; Hirt, Lorenz; Fujii, Masazumi; Matsushita, Kohji; Liu, Xin; ***Jaenisch, Rudolf*** ; Moskowitz, Michael A. (Stroke and Neurovascular Regulation Laboratory, Harvard Medical School, Boston, MA, USA). Journal of Cerebral Blood Flow and Metabolism, 20(1), 139-144 (English) 2000. CODEN: JCBMDN. ISSN: 0271-678X. Publisher: Lippincott Williams & Wilkins.
AB The neurotrophins and the ***tyrosine*** ***kinase*** (Trk) B receptor may play a protective role in the pathophysiol. of cerebral ischemia. In this study, the authors investigated whether reducing endogenous expression of TrkB-binding neurotrophins modifies the susceptibility to ischemic injury after 1-h middle cerebral artery occlusion followed by 23 h of reperfusion in a filament middle cerebral artery occlusion model. Mice lacking both alleles for neurotrophin-4 (nt4-/-) or deficient in a single allele for brain-derived neurotrophic factor (bdnf+/-) exhibited larger cerebral infarcts compared to wild-type inbred 129/SVjae mice (68% and 91%, resp., compared to controls). Moreover, lesions were larger (21%) in nt4-/- mice after permanent middle cerebral artery occlusion. Hence, expression of both NT4 and BDNF, and by inference the TrkB receptor, confers resistance to ischemic injury.

=> S L4(2A)L3
L12 33559 L4(2A)L3

=> S (L2,L4)(2A)L3
L13 33750 ((L2 OR L4))(2A)L3

=> S L13/TI
1275 TYR/TI
11 TYRS/TI
1286 TYR/TI
((TYR OR TYRS)/TI)
28130 TYROSINE/TI
244 TYROSINES/TI
28346 TYROSINE/TI
((TYROSINE OR TYROSINES)/TI)
71739 KINASE/TI
8421 KINASES/TI
79250 KINASE/TI
((KINASE OR KINASES)/TI)
L14 8441 ((((TYR/TI) OR (TYROSINE/TI)))(2A)(KINASE/TI))